

DATE OUT: February 07, 1997

SUBJECT: EP [x] MP [] PRODUCT CHEMISTRY REVIEW
DP BARCODE No.: D232906 REG./File Symbol No.: 7501-42
PRODUCT NAME: Gustafson Apron FL
COMPANY: Gustafson, Inc.

TO: C.P. Moran
PRB/SRRD (7508W)

FROM: *as* Alfred Smith, Chemist
Product Chemistry Review Section
Registration Support Branch/RD (7505W)

THRU: Harold Podall, Section Head
Product Chemistry Review Section
Registration Support Branch/RD (7505W)

HP
2/7/97

SUMMARY OF FINDINGS:

The information submitted satisfies the product chemistry requirements of 40 CFR 158.155 - 158.190 for the End-Use Product (EP).

The Label meets the requirements of 40 CFR 156.10 with respect to the Ingredient statement and the Storage and Disposal statements.

PCRS/RSB has no objections to the reregistration of the EP.

EP [x] MP [] PRODUCT CHEMISTRY REVIEW

1. DP BARCODE No.: D232906 2. REG./File Symbol No.: 7501-42
3. Registration [] 4. Reregistration [x], Rereg Case No. 0081
5. Product Name: Gustafson Apron - FL
6. Pesticide Type: Fungicide [x] Herbicide []
 Insecticide [] Rodenticide [] Antimicrobial []
 Plant Growth Regulator [] Others: _____
7. Uses: Food [x] Non food use []
8. Type of Submission: New [] Resubmission [] Amendment []
 "ME-TOO" [] Alternate Formulation [] Repack []
 Experimental Use Permit [] Other (Specify) 8-Month Response
9. If "Me-TOO" Registration, this product is [] is not []
 similar or substantially similar to EPA's Reg. No.: _____,
 If not, comment in Confidential Appendix A on the differences
 between the registered and the new source where significant.

CONFIDENTIAL STATEMENT OF FORMULA, DATED 10/17 /1995 :

10. Type of formulation and the sources of active ingredients:
- a. Non-integrated formulation system.....[x]
- b. Are all technical grade active ingredients used
 registered? • yes [x] • no []
- c. Integrated formulation system.....[]
11. Composition: The nominal concentrations (NC) of the active
 ingredients and the upper and lower certified limits (UCL &
 LCL) are as follows:

Active ingredient(s)	% by weight		
	NC	UCL	LCL
Metalaxyl	28.39	29.24	27.54

12. The calculated NCs, based on the pure active ingredients (PAI), are identical to those on the label:

• yes ☒ • no ☐

13. The certified limits are within the standard limits as per 40CFR§158.175 or are adequately explained if different:

• yes ☒ • no ☐

14. Clearance of intentionally added ingredients in the formulation for the intended use:

- a. Formulation intended for food use under 40CFR§180.1001:

• yes ☒ • no ☐ • Some are cleared, others are not ☐

• Cleared under list: • c ☒ • d ☐ • e ☐

- b. Formulation intended for non-food use:

• yes ☐ • no ☐ • Some are cleared, others are not ☐

15. For products produced by an integrated formulation system:
• All impurities of toxicological significance have an UCL:

• yes ☐ • no ☐ • not applicable ☐

- All other impurities $\geq 0.1\%$ associated with the active ingredient in the product are reported at their nominal concentrations:

• yes ☐ • no ☐ • not applicable ☐

PRODUCT LABEL, EPA RECEIVED 09/23 /1996 :

16. The active ingredients statement (chemical identities, nominal concentrations) is consistent with the CSF • yes ☒ • no ☐

17. The formulation contains one of the following:

• 10% or more of a petroleum distillate:	• yes <input type="checkbox"/>	• no <input checked="" type="checkbox"/>
• 1% or more of methyl alcohol:	• yes <input type="checkbox"/>	• no <input checked="" type="checkbox"/>
• sodium nitrite at any level:	• yes <input type="checkbox"/>	• no <input checked="" type="checkbox"/>
• a toxic List 1 inert at any level:	• yes <input type="checkbox"/>	• no <input checked="" type="checkbox"/>
• arsenic in any form:	• yes <input type="checkbox"/>	• no <input checked="" type="checkbox"/>

18. If yes to any of the above, does the inert ingredients statement contains a footnote indicating this?

• yes [] • no [] • not applicable []

19. The appropriate physical and chemical hazards statement regarding flammability or explosive characteristics of the product are given on the label:

• yes [] • no [] • not applicable [x]

20. The storage and disposal instructions for the pesticide and container are in compliance with PR Notice 84-1 for household use products or PR Notice 83-3 for all other uses:

• yes [x] • no []

PRODUCT CHEMISTRY DATA (SERIES 61 and 62)

21. <u>Chemical IDs/Manufacture/ Analytical Information</u>	<u>Data Required Fulfilled</u>	<u>MRID No.</u>
61-1 Chemical Identity	Y	44116801
61-2 Starting Materials & Manufact or Formulation Process	Y	" "
61-3 Discussion of Impurities	Y	" "
62-1 Preliminary Analysis	Y	44116806
62-2 Certified Limits	Y	44116801
62-3 Enforcement Analytical Method	Y	44116806

PRODUCT CHEMISTRY DATA (SERIES 63)

24. <u>Physical/Chemical Properties</u>	<u>Data Required Fulfilled</u>	<u>Value or Qualitative Description</u>	<u>MRID No.</u>
63-3 Physical State	Y	Liquid	44116801
63-7 Density/Bulk Density	Y	1.10 gms/ml	" "
63-12 pH of Product	Y	5.44	" "
63-15a Flammability-Flash Point	NA		
63-15b Flame Extension	NA		
63-16 Explodability	NA		
63-17 Storage Stability	Y	Stable for > 1 year	44116805
63-18 Viscosity	Y	460 cps	44116801
63-19 Miscibility (With Hydrocarbon solvents)	NA		
63-20 Corrosion Characteristics	Y	None	44116804
63-21 Dielectric Breakdown Voltage	NA		

Explanations: Y = The Requirements Were Fulfilled; N = The Requirements Were Not Fulfilled; NA = Not Applicable; G = Data Gap; U = Requires Upgrading; I = Incomplete or In Progress; W = Waived.